Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/15/2017 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125064	0	1.48	124850	1.46
Blue	F	SSC	125000	124985	-1	3.11	125189	2.89
Blue	E	FITC	23795	23160	-3	2.63	1030	10.74
Blue	D	PE	29673	29132	-2	2.14	1043	10.41
Blue	B	PerCP-Cy5-5	48943	48278	-2	3.57	1385	17.55
Blue	A	PE-Cy7	44112	43648	-2	5.37	669	36.92
Red	C	APC	54273	53612	-2	2.78	3083	9.62
Red	A	APC-Cy7	54945	54753	-1	2.86	1142	11.23
Violet	B	V450	15756	14958	-6	3.87	713	8.95
Violet	A	V500	62569	61376	-2	3.65	2719	6.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19141	3.49	615	1	N/A	N/A	Pass
Blue	F	SSC	61930	1.56	551	5	N/A	N/A	Pass
Blue	E	FITC	114	41.37	551	1	0.0191	214	Pass
Blue	D	PE	227	30.35	549	3	0.1389	220	Pass
Blue	B	PerCP-Cy5-5	214	46.96	639	0	0.0093	97	Pass
Blue	A	PE-Cy7	70	131.48	695	-4	0.0112	24	Pass
Red	C	APC	363	28.13	601	1	0.0196	73	Pass
Red	A	APC-Cy7	126	41.18	579	-5	0.0056	1836	Pass
Violet	B	V450	87	41.70	471	-1	0.0465	1890	Pass
Violet	A	V500	198	23.91	500	1	0.0135	570	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.08	0.92
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	17.59	13.27 - 19.91	N/A	N/A	30.98	31.54	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10963

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments